

## **Project Proposal Outline Example**

### **Project Title**

Biological Detection System Technologies Sector Study

### **Project Objective**

To produce a report that assesses the industrial base, technological maturity, level of use and viability of aerosol biological detection technologies for point detection applications in North America.

### **Project Background**

After a thorough selection process, the NATIBO TBEWG identified the area of biological detection system technologies as a prime candidate for a technology and industrial base sector study. The TBEWG reached this conclusion due to concerns raised by expertise in this field about the changing world threat, US/Canadian vulnerability to a terrorist attack, the tremendous lethality of biological agents, recognized deficiencies in existing detection system, and the benefits reaped from timely detection.

### **Project Description**

A Biological Detection System Technology Working Group (BDSTWG) will be created to oversee this project. The BDSTWG will form a Biological Technical Advisory Panel (BTAP) of DoD and DND biological detection experts to serve in an oversight capacity and guide the framework and parameter of the study. The BTAP will also review draft and final reports. The BDSTWG will initiate a contract with a commercial firm to carry out most of this study. The BDSTWG will establish a clear, concise and well-defined methodology to survey North American government, industry and academia effectively and compile military, commercial, political, marketplace and academic perspectives. The data for this study will be drawn from open literature sources, such as previously published reports, conference proceedings, journal article, internet pages and other on-line sources, as well as from discussion with US and Canadian representatives from industry, government and academia.

The BDSTWG will meet with a representative sample of biological detection system researchers, suppliers, end users, proponents and policy makers. Factors taken into consideration in selecting sites to visit will include volume and business with the individual Services and with industry, systems produced, state of the technology, applications, and new technology development. Site visits will be conducted in the US Northeast, Northwest, Midwest and West Coast, and in Canada. Those locations not visited due to funding and time limitations will be extensively interviewed by telephone.

Following an analysis of all data, the BDSTWG will prepare a report to:

- review currently fielded and projected systems in North America,
- provide an assessment of the biological aerosol point detection technology and industrial base,
- examine R&D efforts underway within government, industry and academia on both sides of the border,
- provide a definitive analysis of the biological detection system marketplace and challenges faced by companies competing in this sector,
- provide a list of conclusions stemming from the study, and
- identity a specific set of recommendations to overcome the technical, programmatic fiscal, communication and testing obstacles hindering the advancement of the most promising cost-effective technologies.

### **Canadian Participants**

CDLS(W)  
DGIIP  
DNBCD  
DRES

### **US Participants**

AFRL/MLME  
AMSAA

DDRE/OTT  
JPO BD  
MARCORSYSCOM  
SBCCOM

**Proposed Canadian Project Officer**

Maj IM Bloggins, DGIIP, (613) 123-4567

**Proposed US Project Officer**

Mr IB Smart, AMSAA, (309) 234-5678

**Probable Milestones**

Nov 01	BDSTWG Kick Off Meeting
Dec 01	Draft NATIBO PA Outline
Jan 02	NATIBO Approval of PA Outline
Feb 02	Commence International Staffing of PA
Nov 02	Selection of BTAP members
Jan 03	International Staffing of PA complete
Jan 03	PA signed
Mar 03	Contract in place for study
Jun 03	Site visit list finalized
Oct 03	Site visits completed
Dec 03	Draft report produced
Feb 04	Review of draft report by BTAP complete
Mar 04	Final report produced
Apr 04	Review of final report by BTAP complete
May 04	Final report published
Sep 04	Report implementation and briefings complete
Oct 04	Stand down BDSTWG

**Probable Cost and Funding Sources**

Anticipated cost of study is \$US 300K and three person-years labor.

Anticipated sources of funds are:

DND

DGIIP: \$US 75K in FY03/04, \$US 25K in FY 04/05 and two person-years labor

DoD

SBCCOM: \$US 50K

MARCORSYSCOM: \$US 50K

USAF/AFRL \$US 100K and one person-year labor